Title (en)
DATA PROCESSING UNIT FOR AIRCRAFT UNDERCARRIAGE PERFORMANCE MONITORING

Title (de)
DATENVERARBEITUNGSEINHEIT ZUR FLUGZEUGFAHRWERKLEISTUNGSÜBERWACHUNG

Title (fr)
UNITÉ DE TRAITEMENT DE DONNÉES DE SURVEILLANCE DE PERFORMANCES POUR ATTERRISSEUR D'AÉRONEF

Publication
EP 3115267 A1 20170111 (EN)

Application
EP 16177443 A 20160701

Priority
GB 201511962 A 20150708

Abstract (en)
A data processing unit for monitoring the performance of at least one undercarriage which is used for braking and/or steering an aircraft, wherein the data processing unit is configured to: receive data representative of operating characteristics of the undercarriage(s) and use that data to calculate a maximum achievable braking force and/or yaw moment to be generated by the undercarriage(s). Also a method for monitoring the performance of at least one aircraft undercarriage which is used for braking and/or steering an aircraft, the method comprising the steps of: receiving data representative of operating characteristics of the undercarriage(s); and using that data to calculate a maximum achievable braking force and/or yaw moment to be generated by the undercarriage(s).

IPC 8 full level
B60T 8/17 (2006.01)

CPC (source: CN EP GB US)
B60T 8/1703 (2013.01 - EP US); **B64C 25/10** (2013.01 - US); **B64C 25/42** (2013.01 - GB); **B64C 25/44** (2013.01 - CN);
B64C 25/48 (2013.01 - GB US); **B64C 25/50** (2013.01 - CN US); **B64D 45/00** (2013.01 - EP); **G07C 5/0808** (2013.01 - US);
G07C 5/0816 (2013.01 - US); B60T 2270/406 (2013.01 - EP US); B64D 2045/0085 (2013.01 - US)

Citation (search report)
- [X] WO 2014076485 A1 20140522 - AIRBUS OPERATIONS LTD [GB], et al
- [X] US 2010013296 A1 20100121 - RABY RONALD [US], et al
- [X] WO 2005087563 A1 20050922 - AIRBUS UK LTD [GB], et al
- [X] FR 2898334 A1 20070914 - MESSIER BUGATTI SA [FR]

Cited by
EP3974314A1; GB2599167A; EP3912872A1; US11772622B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3115267 A1 20170111; **EP 3115267 B1 20200212**; CN 106335633 A 20170118; CN 106335633 B 20210528; GB 201511962 D0 20150819;
GB 2540180 A 20170111; US 2017011568 A1 20170112; US 9892571 B2 20180213

DOCDB simple family (application)
EP 16177443 A 20160701; CN 201610533800 A 20160707; GB 201511962 A 20150708; US 201615205127 A 20160708